



Attorney Docket No. 392.1680

Go/CA  
ARG.

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Atsushi WATANABE et al.

Application No.: 09/546,214

ATTENTION

Confirmation No.: 3614

CERTIFICATE OF CORRECTION

Filed: April 10, 2000

BRANCH

U.S. Patent No.: 7,084,900

Issued: August 1, 2006

For: IMAGE PROCESSING APPARATUS

**SECOND REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Certificate  
DEC 11 2007  
of Correction

Sir:

Patentees respectfully request that a Certificate of Correction be issued in the subject patent, pursuant to 35 U.S.C. §254 and 37 C.F.R. §1.322, to correct the mistakes shown on the attached Form PTO-1050. The original Certificate of Correction, issued from the U.S. Patent and Trademark Office on September 18, 2007, has an error; a copy of the original Certificate of Correction, with the error noted in red, is enclosed for your convenience.

This second Request supersedes all previous Requests for Certificate of Corrections.

Since the mistakes are Patent Office mistakes, it is believed that no fee is required.

Respectfully submitted,

STAAS & HALSEY LLP

Date: Dec. 6, 2007

By: H. J. Staas 12/10/2007 JADD01 00000089 7084900  
01 FC:1011 100.00 OP  
Registration No. 22,010

1201 New York Ave, N.W., 7th Floor  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

## UNITED STATES PATENT AND TRADEMARK OFFICE

### CERTIFICATE OF CORRECTION

PATENT NO : 7,084,900

DATED : August 1, 2006

INVENTOR(S) : Atsushi WATANABE et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

First Page Column 2 (Other Publications), Line 4, change "et al," to --et al.,--.  
First Page Column 2 (Abstract), Line 4-5, change "workpeace" to --workpiece--.  
Page 2 Column 1 (Other Publications), Line 1, change "et al," to --et al.,--.  
Page 2 Column 1 (Other Publications), Line 3, change "Heuristuic" to --Heuristic--.  
Page 1 Column 1 (Other Publications), Line 5, change "et al," to --et al.,--.  
Page 1 Column 2 (Other Publications), Line 1, change "et al," to --et al.,--.  
Page 2 Column 2 (Other Publications), Line 4, change "Hornegger" to --Homegger--.  
Page 2 Column 2 (Other Publication), Line 4, change "et al," to --et al.,--.  
Sheet 5 of 7 (Box 201) (FIG. 6), Line 1, change "THREE-DIMENTIONAL" to --THREE-DIMENSIONAL--.  
Sheet 5 of 7 (Box 209) (FIG. 6), Line 3, change "THREE-DIMENTIONAL" to --THREE-DIMENSIONAL--.  
Sheet 6 of 7 (Above Figure) (FIG. 7), Line 1, change "MEASUREMANT" to --MEASURMENT--.

Column 1, Line 66, insert --The image capturing device may be a camera for capturing two-dimensional image data, and in this case the image data of the reference object are captured by the image capturing device from a predetermined distance. Alternatively, the image capturing device may be a visual sensor for capturing three-dimensional image data, and when the three-dimensional visual sensor is adopted the image data containing an image of the object of detection may be two-dimensional arrangement data including distance information from the object of detection to the image capturing device, apart of said two-dimensional arrangement data or a set of distance data.--, as a new paragraph.

Column 2, Lines 4-8, delete [The image capturing device may be attached to an wrist of an robot. Further, the image data of the reference object can be captured in a place different from a place where the detection of the object is performed, and supplied to the image processing apparatus on line or off line.]

Column 2, Line 63, change "memory," to --memory--.  
Column 3, Line 18, change "co-called" to --so-called--.  
Column 3, Line 22, change "5al-5an" to --5a1-an--.  
Column 3, Line 27, change "5al-5am." to --5a1-an.--.  
Column 3, Line 27, change "input-output" to --input/output--.  
Column 4, Line 9, change "Three dimensional" to --Three dimensional--.  
Column 4, Line 27, change "two dimensional" to --two-dimensional--.  
Column 4, Line 50, change "Then" to --Then,--.  
Change 4, Line 58, change "reportedly" to --repeatedly--.  
Column 5, Line 30, change "worpieces" to --workpieces--.  
Column 6, Line 16, change "angels" to --angles--.  
Column 6, Line 50, after "piece" change "is" to --in--.  
Column 6, Line 58, change "Y-" to --Y-, --.  
Column 7, Line 52, change "There-dimensional" to --Three-dimensional--.  
Column 10, Line 16, change "senor" to --sensor--.

MAILING ADDRESS OF SENDER:  
STAAS & HALSEY LLP  
1201 New York Avenue, N.W.  
7th Floor  
Washington, DC 20005

PATENT NO. 7,084,900

No. of add'l copies  
@ 304 per page

⇒

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 1 of 2

COPY

PATENT NO. : 7,084,900 B1  
APPLICATION NO. : 09/546214  
DATED : August 1, 2006  
INVENTOR(S) : Atsushi Watanabe et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page Column 2 (Other Publications), Line 4, change "et al," to --et al.,--.  
First Page Column 2 (Abstract), Line 4-5, change "workpeace" to --workpiece--.  
Page 2 Column 1 (Other Publications), Line 1, change "et al," to --et al.,--.  
Page 2 Column 1 (Other Publications), Line 3, change "Heuristuc" to --Heuristic--.  
Page 1 Column 1 (Other Publications), Line 5, change "et al," to --et al.,--.  
Page 1 Column 2 (Other Publications), Line 1, change "et al," to --et al.,--.  
Page 2 Column 2 (Other Publications), Line 4, change "Hornegger" to --Homegger--.  
Page 2 Column 2 (Other Publication), Line 4, change "et al," to --et al.,--.  
Sheet 5 of 7 (Box 201) (FIG. 6), Line 1, change "THREE-DIMENTIONAL" to  
--THREE-DIMENSIONAL--.  
Sheet 5 of 7 (Box 209) (FIG. 6), Line 3, change "THREE-DIMENTIONAL" to  
--THREE-DIMENSIONAL--.  
Sheet 6 of 7 (Above Figure) (FIG. 7), Line 1, change "MEASUREMANT" to  
--MEASURMENT--.

Column 1, Line 66, insert --The image capturing device may be a camera for capturing two-dimensional image data, and in this case the image data of the reference object are captured by the image capturing device from a predetermined distance. Alternatively, the image capturing device may be a visual sensor for capturing three-dimensional image data, and when the three-dimensional visual sensor is adopted the image data containing an image of the object of detection may be two-dimensional arrangement data including distance information from the object of detection to the image capturing device, apart of said two-dimensional arrangement data or a set of distance data.--, as a new paragraph.

Column 2, Lines 4-8, delete "The image capturing device may be attached to an wrist of an robot. Further, the image data of the reference object can be captured in a place different from a place where the detection of the object is performed, and supplied to the image processing apparatus on line or off line."

Column 2, Line 63, change "memory," to --memory--.  
Column 3, Line 18, change "co-called" to --so-called--.  
Column 3, Line 22, change "5a1-5an" to --5a1-an--.  
Column 3, Line 27, change "5a1-5am." to -5a1-an.--.  
Column 3, Line 27, change "input-output" to --input/output--.  
Column 4, Line 9, change "Three dimensional" to --Three dimensional--.  
Column 4, Line 27, change "two dimensional" to --two-dimensional--.  
Column 4, Line 50, change "Then" to --Then--.  
Change 4, Line 58, change "reportedly" to --repeatedly--.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 2 of 2

PATENT NO. : 7,084,900 B1  
APPLICATION NO. : 09/546214  
DATED : August 1, 2006  
INVENTOR(S) : Atsushi Watanabe et al.

COPY

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5, Line 30, change "worpieces" to --workpieces--.  
Column 6, Line 16, change "angels" to --angles--.  
Column 6, Line 50, after "piece" change "is" to --in--.  
Column 6, Line 58, change "Y" to ~~E~~y-- --Y--  
Column 7, Line 52, change "There-dimensional" to --Three-dimensional--.  
Column 10, Line 16, change "senor" to --sensor--.



Signed and Sealed this  
Eighteenth Day of September, 2007

*Jon W. Dudas*

JON W. DUDAS  
Director of the United States Patent and Trademark Office